



MAT-8023US1

- 6 -

VERSION WITH MARKINGS TO SHOW CHANGES MADE

IN THE CLAIMS:

1 5. (Amended) A motor comprising:

2 (a) a motor base including;

3 (a-1) a base;

4 (a-2) a bearing supporter protruded vertically from said base for
5 supporting a bearing;

6 (a-3) a stator supporter concentric with said bearing supporter;

7 (a-4) a terminal made of metal plate insert-molded into the base
8 and insert-molded around said bearing supporter;

9 wherein said motor base is formed by cutting off bridges linking between
10 said motor base and a frame around said motor base;

11 (b) a stator mounted to the stator supporter; and

12 (c) a rotor supported by the bearing which is supported by said bearing
13 supporter.

1 10. (Amended) A method of assembling a motor using a motor-base-holder,
2 wherein the motor-base-holder comprises:

3 (a) a base;

4 (b) a bearing supporter protruded vertically from said base for
5 supporting a bearing;

6 (c) a stator supporter concentric with said bearing supporter for being
7 mounted with a stator; and

8 (d) a motor base having a terminal made of a metal plate insert-
9 molded into the base and insert-molded around the bearing supporter; and

10 (e) a frame made of the same metal as the terminal and linked with
11 fringe of said motor base,

12 wherein said method comprises the steps of:

13 positioning and supporting the motor base at a given place by the frame;

14 assembling the stator and a rotor of said motor to the motor base; and

15 detaching the motor base from the frame.

ABSTRACT:

A motor includes a motor-base-holder ~~which comprises~~ having (a) a base, (b) a bearing supporter vertically protruded from the base for supporting a bearing, (c) a stator supporter concentric with the bearing supporter for being mounted with a stator, (d) a motor base having terminals made of a metal plate and insert-molded around the bearing supporter, and (e) a frame made of the same metal as the terminals and linked to fringe of the motor base. This structure solves difficulties of mini-motors such as difficulties of handling the motor, difficulties of mating those elements each other, and time-consuming bonding action. A method of assembling the same motor achieves high productivity.